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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/848,070	05/03/2001	Kenny K. Fok	UTL00015	7836

32968 7590 07/24/2007
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EXAMINER

DANIEL JR, WILLIE J

ART UNIT	PAPER NUMBER
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2617

MAIL DATE	DELIVERY MODE
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07/24/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.		Applicant(s)	
	09/848,070		FOK, KENNY K.	
	Examiner		Art Unit	
	Willie J. Daniel, Jr.		2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 May 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 50-62 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 50-62 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to applicant's amendment filed on 7 May 2007. **Claims 50-62** are now pending in the present application and **claims 1-49 and 63** have been canceled. This office action is made **Final**.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 50-56 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Carey et al.** (hereinafter Carey) (US 6,714,793 B1) in view of **Gudjonsson et al.** (hereinafter Gudjonsson) (US 6,564,261 B1).

Regarding **claim 50**, Carey discloses a system (20) for providing a mobile unit device (36) which reads on the claimed "wireless communications device" access to an instant messaging service on a data network (30), the instant messaging service communicating instant messages in an instant message format (see col. 3, lines 18-49; Figs. 1, 5-6), the system (20) comprising:

a wireless mobile carriers (34) which reads on the claimed "wireless network" (see col. 6, lines 26-32, 52-60; col. 3, lines 45-49; col. 7, lines 19-29; Figs. 1, 5, 9-10, and 12);

a short message service (SMS) center (32) connected to the wireless network (34) (see col. 3, lines 18-34; col. 5, lines 23-43; Figs. 1, 5-6);

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a IM routing system (22) which reads on the claimed “proxy server” having a first connection to the SMS center (32) and a second connection to a data network (30) (see col. 3, lines 18-34; col. 5, lines 23-43; Figs. 1, 5, and 6),

the proxy server (22) for establishing a substitute proxy presence on the data network (30) for the wireless communications device (36) (see col. 5, lines 5-18; col. 6, lines 12-60; col. 4, lines 11-19; Fig. 5), where the user presence is established between networks,

the proxy server (22) for transmitting presence information to the instant messaging service to indicate that the wireless communications device (36) is online (see col. 3, lines 18-34; col. 5, lines 23-43; Figs. 1 and 5-6),

the proxy server (22) for intercepting and storing an instant message addressed to the wireless communications device (36) (see col. 9, lines 35-38; col. 5, lines 66-67; Fig. 1), where the combined functions of the routing system (22) and the instant message server (40) would provide the storing of instant messages; and

a plurality of traditional systems (42) which reads on the claimed “information handling systems” connected to the data network (30) and logged into the instant messaging service for sending and receiving the instant messages (see col. 3, lines 18-34; col. 4, lines 6-11; Fig. 1). Carey does not specifically disclose having the feature even when a data connection does not exist between the wireless communication device and the wireless network. However, the examiner maintains that the feature even when a data connection does not exist between the wireless communication device and the wireless network was well known in the art, as taught by Gudjonsson.

In the same field of endeavor, Gudjonsson discloses the feature even when a data connection does not exist between the wireless communication device and the wireless network (see col. 2, lines 20-22; col. 3, lines 14-17; col. 7, line 53 - col. 8, line 30; col. 8, lines 53-65; col. 11, lines 32-64; Figs. 1-9, 19, and 21), where the system uses proxy server (21, 23) to communicate between short text message (i.e., instant message) and SMS and to provide connection and status (see col. 10, lines 8-21; col. 11, lines 21-27; col. 17, lines 38-44; col. 36, lines 12-25; 56-62; Figs. 1-6 and 13). As a note, basically the proxy server provides an on-demand connection that can be automatically suspended and resumed as needed.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carey and Gudjonsson to have the feature even when a data connection does not exist between the wireless communication device and the wireless network, in order to provide user with a simple and secure way of establishing arbitrary communications with other users or services, as taught by Gudjonsson (see col. 7, lines 39-42).

Regarding **claim 51**, the combination of Carey and Gudjonsson discloses every limitation claimed, as applied above (see claim 50), in addition Carey further discloses the system of claim 50, wherein the proxy server notifies the SMS center (32) that the instant message addressed to the wireless communications device (36) has been received (see col. 7, lines 8-18; Fig. 6).

Regarding **claim 52**, the combination of Carey and Gudjonsson discloses every limitation claimed, as applied above (see claim 50), in addition Carey further discloses the

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system of claim 50, wherein the proxy server (22) converts at least a portion of the intercepted instant message to a short message format, and sends a converted message to the wireless communications device (36) through the wireless network (34) via the SMS center (32) (see col. 7, lines 12-22; col. 3, lines 24-27,50-66; Figs. 1 and 6-7), where the server (24) uses a predefined to protocol to convert messages between instant message and short message service.

Regarding **claim 53**, the combination of Carey and Gudjonsson discloses every limitation claimed, as applied above (see claim 50), in addition Carey further discloses the system of claim 50, wherein the proxy server (22) converts an identifier (e.g., name, phone number, or address) of a sender of the intercepted instant message to a short message format and sends the converted identifier of the sender to the wireless communications device (36) (see col. 7, lines 12-22; col. 5, lines 43-50; col. 8, lines 19-21,32-40; col. 3, lines 24-27,50-66; col. 4, lines 11-33; Figs. 1, 6-7, and 9-10), where the server (24) uses a predefined to protocol to convert messages between instant message and short message service.

Regarding **claim 54**, the combination of Carey and Gudjonsson discloses every limitation claimed, as applied above (see claim 52), in addition Carey further discloses the system of claim 52, wherein the SMS center (32) stores the converted message (see col. 7, lines 27-29; Fig. 7 “ref. 172”).

Regarding **claim 55**, the combination of Carey and Gudjonsson discloses every limitation claimed, as applied above (see claim 50), in addition Carey further discloses the system of claim 50, wherein the proxy server (22) receives a response short message from the wireless communications device (36) that is addressed to an information handling system of

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the plurality of information handling systems (42), converts the response short message to an instant message format response message, and sends the instant message response message to the information handling system (42) (see Figs. 1 and 6-7).

Regarding **claim 56**, the combination of Carey and Gudjonsson discloses every limitation claimed, as applied above (see claim 50), in addition Carey further discloses the system of claim 50, wherein the proxy server (22) receives an indication that the wireless communications device (36) is in an inactive state, and wherein the proxy server removes the substitute proxy presence upon receipt of the indication that the wireless communications device (36) is in the inactive state (see col. 7, lines 44-64; col. 8, line 61 - col. 9, line 5; Figs. 7 “ref. 174”, 12).

Claims 57-62 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Carey et al.** (hereinafter Carey) (US 6,714,793 B1) in view of **Gudjonsson et al.** (hereinafter Gudjonsson) (US 6,564,261 B1) and **Polychronidis et al.** (hereinafter Polychronidis) (US 2003/0018704 A1).

Regarding **claim 57**, Carey discloses a method for providing a wireless communications device (36) access to an instant messaging service connected to a data network (30) (see Fig. 1), the method comprising the steps of:

communicating an active message state status from the wireless communications device to a wireless network, wherein the wireless network is connected to a short messaging service (SMS) center, the SMS center is connected to a proxy server (22), and the proxy

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server (22) is connected to the data network (30) (see col. 3, lines 18-34; col. 5, lines 23-43; Figs. 1 and 5-6);

the proxy server (22) establishing a stand-in on-line presence for the wireless communications device with the instant messaging service (see col. 5, lines 5-18; col. 6, lines 12-60; col. 4, lines 11-19; Fig. 5), where the user presence is established between networks;

the proxy server (22) maintaining the stand-in on-line presence as long as the wireless communications device remains in the active message state status (see col. 3, lines 18-34; col. 5, lines 23-43; Figs. 1 and 5-6); and

the proxy server (22) intercepting and storing at least one instant message intended for the wireless communications device (36) (see col. 9, lines 35-38; col. 5, lines 66-67; Fig. 1), where the combined functions of the routing system (22) and the instant message server (40) would provide the storing of instant messages. As a note, Carey further teaches the feature the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device (see col. 5, lines 5-18; col. 6, lines 12-60; col. 4, lines 11-19; Fig. 5). Carey does not specifically disclose having the features even when a data connection does not exist between the wireless communication device and the wireless network; the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device. However, the examiner maintains that the feature even when a data connection does not exist between the wireless

communication device and the wireless network was well known in the art, as taught by Gudjonsson.

In the same field of endeavor, Gudjonsson discloses the feature even when a data connection does not exist between the wireless communication device and the wireless network (see col. 2, lines 20-22; col. 3, lines 14-17; col. 7, line 53 - col. 8, line 30; col. 8, lines 53-65; col. 11, lines 32-64; Figs. 1-9, 19, and 21), where the system uses proxy server (21, 23) to communicate between short text message (i.e., instant message) and SMS and to provide connection and status (see col. 10, lines 8-21; col. 11, lines 21-27; col. 17, lines 38-44; col. 36, lines 12-25; 56-62; Figs. 1-6 and 13). As a note, basically the proxy server provides an on-demand connection that can be automatically suspended and resumed as needed. Also, Gudjonsson further teaches the feature the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device (see col. 2, lines 20-22).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carey and Gudjonsson to have the feature even when a data connection does not exist between the wireless communication device and the wireless network, in order to provide user with a simple and secure way of establishing arbitrary communications with other users or services, as taught by Gudjonsson (see col. 7, lines 39-42). The combination of Carey and Gudjonsson does not specifically disclose having the feature the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is

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responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device. However, the examiner maintains that the feature the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device was well known in the art, as taught by Polychronidis.

As further support in the same field of endeavor, Polychronidis discloses the feature the proxy server determining that the wireless communications device (e.g., mobile device 22) is in the active message state status if the wireless communications device is responsive to a special SMS message (e.g., probe) that is periodically sent by the proxy server to the wireless communications device (see pg. 3, [0034-0035, 0037]; pg. 4, [0050]; Figs. 2 and 4), where the active communication state is indicated when the device (22) is powered up which registers with the network (26) and the status is monitored. As a note, Polychronidis further discloses the feature the proxy server establishing a stand-in on-line presence for the wireless communications device with the instant messaging service even when a data connection does not exist between the wireless communication device and the wireless network (26, 43) (see pg. 3, [0034-0035, 0037]; pg. 4, [0050]; Figs. 2 and 4), where the system is aware of the mobile device presence and location in the network for communication even though no data connection is established for exchanging communication messages.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carey, Gudjonsson, and Polychronidis to have the feature the proxy server determining that the wireless communications device is in

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the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device, in order to have a network presence and location agent which acquires presence and location information about multiple mobile devices operating on a network from an entity on the wireless network, as taught by Polychronidis (see pg. 1, [0005]).

Regarding **claim 58**, the combination of Carey, Gudjonsson, and Polychronidis discloses every limitation claimed, as applied above (see claim 57), in addition Carey further discloses the method of claim 57 further comprising the steps of:

the proxy server (22) converting at least a portion of the at least one instant message to short message service (SMS) format (see col. 7, lines 12-22; col. 3, lines 24-27,50-66; Figs. 1 and 6-7), where the server (24) uses a predefined to protocol to convert messages between instant message and short message service;

sending the converted message to the SMS center (32) (see col. 7, lines 12-22; col. 3, lines 24-27,50-66; Figs. 1 and 6-7), where the server (24) uses a predefined to protocol to convert messages between instant message and short message service;

the SMS center (32) sending the converted message to the wireless network (34) (see col. 7, lines 12-22; col. 3, lines 24-27,50-66; Figs. 1 and 6-7); and

the wireless network (34) delivering the converted message to the wireless communications device (36) (see col. 7, lines 12-22; col. 3, lines 24-27,50-66; Figs. 1 and 6-7).

Regarding **claim 59**, the combination of Carey, Gudjonsson, and Polychronidis discloses every limitation claimed, as applied above (see claim 57), in addition Carey further discloses the method of claim 57, further comprising the step of:

the proxy server (22) notifying the wireless communications device (36) through the SMS center (32) and the wireless network (34) that the at least one instant message has been received (see col. 7, lines 8-18; Fig. 6).

Regarding **claim 60**, the combination of Carey, Gudjonsson, and Polychronidis discloses every limitation claimed, as applied above (see claim 59), in addition Carey further discloses the method of claim 59, wherein the step of notifying comprises the steps of:

the proxy server (22) converting at least a portion of the at least one instant message from instant message format to short message service (SMS) format (see col. 7, lines 12-22; col. 3, lines 24-27,50-66; Figs. 1 and 6-7); and

sending the converted message to the wireless communications device through the SMS center (32) (see col. 7, lines 12-22; col. 3, lines 24-27,50-66; Figs. 1 and 6-7).

Regarding **claim 61**, the combination of Carey, Gudjonsson, and Polychronidis discloses every limitation claimed, as applied above (see claim 60), in addition Carey further discloses the method of claim 60, further comprising the step of:

the proxy server (22) converting an identifier of the sender of the at least one instant message from the instant message format to SMS format (see col. 7, lines 12-22; col. 5, lines 43-50; col. 8, lines 19-21,32-40; col. 3, lines 24-27,50-66; col. 4, lines 11-33; Figs. 1, 6-7, and 9-10); and

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sending the converted identifier to the wireless communications device (36) (see col. 7, lines 12-22; col. 5, lines 43-50; col. 8, lines 19-21,32-40; col. 3, lines 24-27,50-66; col. 4, lines 11-33; Figs. 1, 6-7, and 9-10).

Regarding **claim 62**, the combination of Carey, Gudjonsson, and Polychronidis discloses every limitation claimed, as applied above (see claim 58), in addition Carey further discloses the method of claim 58, further comprising the steps of:

the wireless communications device (36) sending a response message transmitted in short message service format to the proxy server (22) (see Figs. 1 and 6-7); and

the proxy server (22) converting the response message to instant message format and transmitting the converted response message over the data network (30) (see Figs. 1 and 6-7).

Claims 50 and 57 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Carey et al.** (hereinafter Carey) (**US 6,714,793 B1**) in view of **Guedalia et al.** (hereinafter Guedalia) (**US 7,043,538 B2**).

Regarding **claim 50 and 57**, Carey discloses a system and a method for providing a wireless communications device (36) access to an instant messaging service connected to a data network (30) (see Fig. 1), the method comprising the steps of:

communicating an active message state status from the wireless communications device to a wireless network (34), wherein the wireless network is connected to a short messaging service (SMS) center, the SMS center is connected to a proxy server (22), and the proxy server (22) is connected to the data network (30) (see col. 3, lines 18-34; col. 5, lines 23-43; Figs. 1 and 5-6);

the proxy server (22) establishing a stand-in on-line presence for the wireless communications device with the instant messaging service (see col. 5, lines 5-18; col. 6, lines 12-60; col. 4, lines 11-19; Fig. 5), where the user presence is established between networks;

the proxy server (22) maintaining the stand-in on-line presence as long as the wireless communications device remains in the active message state status (see col. 3, lines 18-34; col. 5, lines 23-43; Figs. 1 and 5-6); and

the proxy server (22) intercepting and storing at least one instant message intended for the wireless communications device (36) (see col. 9, lines 35-38; col. 5, lines 66-67; Fig. 1), where the combined functions of the routing system (22) and the instant message server (40) would provide the storing of instant messages. As a note, Carey further teaches the feature the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device (see col. 5, lines 5-18; col. 6, lines 12-60; col. 4, lines 11-19; Fig. 5). Carey does not specifically disclose having the features even when a data connection does not exist between the wireless communication device and the wireless network; the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device. However, the examiner maintains that the features even when a data connection does not exist between the wireless communication device and the wireless network; the proxy server determining that the

wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device was well known in the art, as taught by Guedalia.

In the same field of endeavor, Guedalia discloses the feature even when a data connection does not exist between the wireless communication device and the wireless network (see col. 5, lines 3-9; col. 3, lines 31-35,57-60; col. 2, lines 22-27);

the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device (see abstract; col. 5, lines 3-9; col. 3, lines 31-35,57-60; col. 2, lines 22-27).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carey and Guedalia to have the features even when a data connection does not exist between the wireless communication device and the wireless network; the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device, in order to enable a thin client to utilize a presence server through a simple interface, as taught by Guedalia (see col. 1, lines 63-65).

Claims 50 and 57 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Carey et al.** (hereinafter Carey) (**US 6,714,793 B1**) in view of **Chen et al.** (hereinafter Chen) (**US 7,020,685 B1**) and **Polychronidis et al.** (hereinafter Polychronidis) (**US 2003/0018704 A1**).

Regarding **claim 50 and 57**, Carey discloses a system and a method for providing a wireless communications device (36) access to an instant messaging service connected to a data network (30) (see Fig. 1), the method comprising the steps of:

communicating an active message state status from the wireless communications device to a wireless network (34), wherein the wireless network is connected to a short messaging service (SMS) center, the SMS center is connected to a proxy server (22), and the proxy server (22) is connected to the data network (30) (see col. 3, lines 18-34; col. 5, lines 23-43; Figs. 1 and 5-6);

the proxy server (22) establishing a stand-in on-line presence for the wireless communications device with the instant messaging service (see col. 5, lines 5-18; col. 6, lines 12-60; col. 4, lines 11-19; Fig. 5), where the user presence is established between networks;

the proxy server (22) maintaining the stand-in on-line presence as long as the wireless communications device remains in the active message state status (see col. 3, lines 18-34; col. 5, lines 23-43; Figs. 1 and 5-6); and

the proxy server (22) intercepting and storing at least one instant message intended for the wireless communications device (36) (see col. 9, lines 35-38; col. 5, lines 66-67; Fig. 1), where the combined functions of the routing system (22) and the instant message server (40) would provide the storing of instant messages. As a note, Carey further teaches the feature the proxy server determining that the wireless communications device is in the active

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message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device (see col. 5, lines 5-18; col. 6, lines 12-60; col. 4, lines 11-19; Fig. 5). Carey does not specifically disclose having the features even when a data connection does not exist between the wireless communication device and the wireless network; the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device. However, the examiner maintains that the feature even when a data connection does not exist between the wireless communication device and the wireless network was well known in the art, as taught by Chen.

In the same field of endeavor, Chen discloses the feature even when a data connection does not exist between the wireless communication device and the wireless network (see abstract; Figs. 1 and 4).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carey and Chen to have the feature even when a data connection does not exist between the wireless communication device and the wireless network, in order to provide content from a network to a wireless device, as taught by Chen (see col. 1, lines 63-65). The combination of Carey and Chen does not specifically disclose having the feature the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the

wireless communications device. However, the examiner maintains that the feature the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special SMS message that is periodically sent by the proxy server to the wireless communications device was well known in the art, as taught by Polychronidis.

As further support in the same field of endeavor, Polychronidis discloses the feature the proxy server determining that the wireless communications device (e.g., mobile device 22) is in the active message state status if the wireless communications device is responsive to a special SMS message (e.g., probe) that is periodically sent by the proxy server to the wireless communications device (see pg. 3, [0034-0035, 0037]; pg. 4, [0050]; Figs. 2 and 4), where the active communication state is indicated when the device (22) is powered up which registers with the network (26) and the status is monitored. As a note, Polychronidis further discloses the feature the proxy server establishing a stand-in on-line presence for the wireless communications device with the instant messaging service even when a data connection does not exist between the wireless communication device and the wireless network (26, 43) (see pg. 3, [0034-0035, 0037]; pg. 4, [0050]; Figs. 2 and 4), where the system is aware of the mobile device presence and location in the network for communication even though no data connection is established for exchanging communication messages.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Carey, Chen, and Polychronidis to have the feature the proxy server determining that the wireless communications device is in the active message state status if the wireless communications device is responsive to a special

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SMS message that is periodically sent by the proxy server to the wireless communications device, in order to have a network presence and location agent which acquires presence and location information about multiple mobile devices operating on a network from an entity on the wireless network, as taught by Polychronidis (see pg. 1, [0005]).

Response to Arguments

3. Applicant's arguments with respect to claims 57-62 have been considered but are moot in view of the new ground(s) of rejection necessitated by the new limitations.

In response to applicant's arguments, the Examiner respectfully disagrees as the applied reference(s) provide more than adequate support and to further clarify (see the above claims for relevant citations and comments in this section).

4. In response to applicant's comment on pg. 7, section A., "...described on page 11, lines 6-15 of...specification...and as element 202...", the Examiner requests clarification. According to the instant application on pg. 7, line 20 - pg. 8, line 1, element 202 is a user device such as a personal computer, personal digital assistants, or thin clients. Does the proxy server equate to (or operates as) an instant messaging server, in other words what is the **server** that provides the *instant messaging service*?

5. In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

Regarding applicant's argument of claim 50 on pg. 8, 1st paragraph, "...fails to teach...transmitting presence information to the instant messaging service to indicate that the wireless communications device is online even when a data connection does not exist between the wireless communication device and the wireless network...", the Examiner respectfully disagrees. Applicant has failed to appreciate the combination of well-known prior art Carey and Gudjonsson that clearly discloses the claimed feature(s) as would be

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clearly recognized by one of ordinary skill in the art. In particular, Carey discloses the features the proxy server (22) for transmitting presence information to the instant messaging service to indicate that the wireless communications device (36) is online (see col. 3, lines 18-34; col. 5, lines 23-43; Figs. 1 and 5-6). As further support in the same field of endeavor, Gudjonsson discloses the feature(s) even when a data connection does not exist between the wireless communication device and the wireless network (see col. 2, lines 20-22; col. 3, lines 14-17; col. 7, line 53 - col. 8, line 30; col. 8, lines 53-65; col. 11, lines 32-64; Figs. 1-9, 19, and 21), where the system uses proxy server (21, 23) to communicate between short text message (i.e., instant message) and SMS and to provide connection and status (see col. 10, lines 8-21; col. 11, lines 21-27; col. 17, lines 38-44; col. 36, lines 12-25; 56-62; Figs. 1-6 and 13). As a note, basically the proxy server provides an on-demand connection that can be automatically suspended and resumed as needed. Furthermore, a communications system recognizes the availability (or presence) of a mobile device when powered-on by providing metering signals such as strength indicators or bars in which there is no data connection or message exchange. For example, a messaging service such as SMS will recognize that a mobile device is available via the communications system. Therefore, the combination of Carey and Gudjonsson as well as other applied reference(s) more than adequately meets the claim limitations.

6. Regarding applicant's argument(s) of claims 51-56, the claims are addressed for the same reasons as set forth above and as applied above in each claim rejection.
7. The Examiner requests applicant to provide support for any further amended claim language.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Gustafsson (US 6,424,841 B1) discloses a short message service with improved utilization of available bandwidth. In addition, Gustafsson further discloses that a **gateway server** is a **proxy server** (see col. 10, lines 1-10; col. 6, lines 28-39).

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Willie J. Daniel, Jr. whose telephone number is (571) 272-7907. The examiner can normally be reached on 8:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on (571) 272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

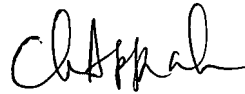
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/WJD,JR/

WJD,JR

11 July 2007



CHARLES N. APPIAH
SUPERVISORY PATENT EXAMINER